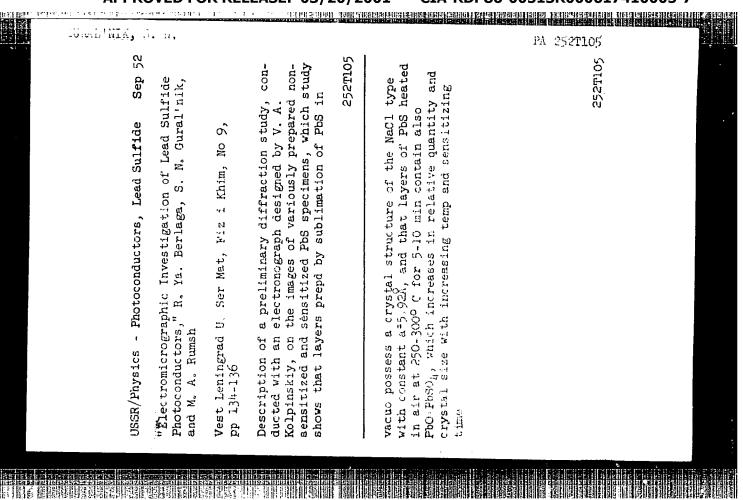
YAKOVLEV, N.N.; Prinimali uchastiye: GURAL'NIK, R.M., vrach; FUKISHEV, S.P., vrach; KUZNETSOV, M.M., vrach; MARTYANOVSKIY, D.M., vrach; SELIVANOVA, T.M., vrach; STEPANOVA, Ye.S., vrach; VOLKOV, V.M., shef-povar

Diet for athletes during the 17th Olympic games in Rome. Vop. pit. 20 no.3:47-51 My-Je '61. (MIRA 14:6)

1. Is Leningradskogo nauchno-issledovatel skogo instituta fizicheskoy kul'tury.

(ATHLETES—NUTRITION) (ROME—OLYMPIC GAMES)

#### CIA-RDP86-00513R000617410005-7 "APPROVED FOR RELEASE: 03/20/2001



CIA-RDP86-00513R000617410005-7" APPROVED FOR RELEASE: 03/20/2001

ां क्षित्रकारिया विभाव विभावतिकोश्याचे स्थापिक स्थापिक स्थापिक स्थापिक स्थापिक स्थापिक स्थापिक स्थापिक स्थापिक

SOV/115-59-3-18/29 9(2)

Gural'nik, S.N., and Zaslavskiy, A.N. AUTHOR:

A Magneto-Electric Loop Vibrator With Concentrated TITLE: Liquid Damping (Magnitoelektricheskiy shleyfovyy

vibrator s sosredotochennym zhidkostnym uspokoye-

niyem)

Izmeritel'naya tekhnika, 1959, Nr 3, pp 39-41 (USSR) PERIODICAL:

The possibilities for applying light-beam oscillo-ABSTRACT:

graphs for recording high-speed processes are limited, mainly because of the own frequency of the loop vibrator. It is very difficult to achieve an increase of the own frequency of the vibrator designs presently used. The authors therefore suggest a vibrator design which is radically different from the "classic" systems, by using the principle of concentrated liquid damping (Author's Certificate Nr 102877 and Nr 106854). The mobile part of the vibrator with concentrated liquid damping is not submerged in a liquid filled housing. The loop pas-

ses thru some miniature reservoirs, located in some Card 1/3

SOV/115-59-3-18/29

A Magneto-Electric Loop Vibrator With Concentrated Liquid Damping

limited sections within the working gap of the magnetic system, as shown by figure 1. The working reservoirs are built as cylindrical capillary tubes in which the liquid is kept by the capillary forces alone. The capillary tubes are filled thru auxiliary capillaries, thus the main tubes are always completely filled. Tests with this vibrator damping showed that the length of service is practically unlimited. The own frequency of such a vibrator with concentrated liquid damping is about 80-100% of its own frequency in air, which means that it exceeds twice the frequency of a vibrator submerged in the damping liquid. Also the adjusting of a vibrator with concentrated liquid damping is much simpler, thus these devices may be mass-produced. table shows the basic parameters of two series of loop vibrators with concentrated liquid damping N135 and N136 which will be produced by the plant "Vibrator". Vibrators of type N135 will be used with MP02

Card 2/3

SOV/115-59-3-18/29

प्रतात विकास स्थापना स

A Magneto-Electric Loop Vibrator With Concentrated Liquid Damping

oscillograph while the type N136 is to be used with new oscillograph models. Figure 4 shows a graphical comparison of the different loop vibrator series which are superior not only to other Soviet models but even to the best foreign models. There are 2 diagrams, 1 table and 4 graphs.

Card 3/3

L 05066-67 -ACC NR: AP6013258

SOURCE CODE: UR/0413/66/000/008/0048/0048

Gural'nik, S. N.; Samus'yev, B. A.

ORG: none

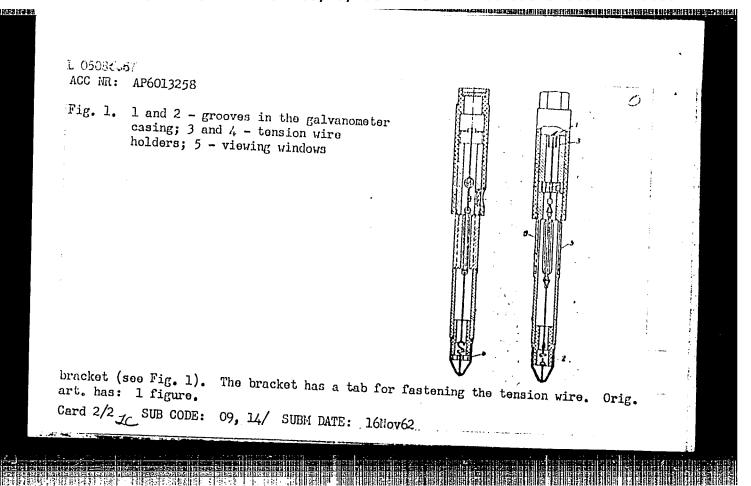
TITLE: An oscillographic galvanometer mounting. Class 21, No. 180692

SOURCE: Izobreteniya, promyshlomnyye obrastsy, tovarnyye znaki, no. 8, 1966, 48

TOPIC TAGS: galvanometer, electric measuring instrument

ABSTRACT: This Author Certificate presents an escallographic galvanemeter mounting with a mobile pickup loop fastened to the tension wires in the tubular casing. The design makes it possible to regulate the position of the pickup loop in the operating gap. The ends of the galvanometer casing are made with grooves in which the tension wire holders are positioned. The tension wire holders have a space which makes it possible to shift the holders in a direction perpendicular to the longitudinal axes of the galvanometer and parallel to the plane of the pickup loop. To provide visual control for positioning the pickup loop in the working gap and to facilitate the installation, the galvanometer ensing is provided with viewing windows. One of the holders of the tension wires is made in the form of a P-shaped

UDC: 621.317.715.5



L 38591-65 ENT(d) Po-4/Pq-4/Pg-4/Pk-4/PI-4 ACCESSION NR: AP5004608 S/0115/64/000/012/0028/0029

AUTHOR: Gural'nik, S. N.

TITLE: Frequency response of loop-type oscillograph galvanomaters

SOURCE: Izmeritel'naya tekhnika, no. 12, 1964, 28-29

TOPIC TAGS: oscillograph, electromagnetic oscillograph, oscillograph

ABSTRACT: An experimental investigation of these damping methods used for oscillograph galvanometers is briefly reported: (a) two dampers not filled with liquid; no damping; two pronounced and three small peaks on the frequency curve; (b) one of the dampers is filled with a high-viscosity liquid; three peaks persist; (c) both dampers are filled with the same liquid; all previous peaks disappeared, but a new peak at 2f<sub>6</sub> frequency appeared; (d) a low-viscosity liquid is used for damping; some peaks present. The above experiments have shown that, with a

Card 1/2

AND THE SECOND S	A contractions its contributions the same of the state of the same		
L 38591-65 ACCESSION NR: AP50046	508		
Concentrated liquid da			0
to the complicated water	The second secon	with Bild will have made	flat ble a so at 1
mental data, the number a render the distortion negli		the substitution of the su	atte aumaii
ASSOCIATION: none		antiport right many LIOPH	wa.
SUBMITTED: 00	ENCL: 00	SUB CODE:	
	コンド・コンド よくり はだい 建立 たいようし こうきょうかい 枝 デーバ		
NO REF SOV: 001	OTHER: 000		
NO REF SOV: 001	OTHER: 000		
NO REF SOV: 001	OTHER: 000		
NO REF SOV: 001	OTHER: 000		

GURAL'NIK, S. Ye. KOROTKOVA, Yu.K., dotsent; GURAL'NIK, S.Ye., subordinator Participate of the property of the second Section 1. Using a block in treating Meniere's disease and trigeminal neuralgia. Vest. oto-rin.16 no.3:37-40 My-Je '54. (MIRA 7:7) 1. Iz kliniki bolezney ukha, gorla i nosa (zav. dotsent Yu.K. Korotkova) Yaroslavskogo meditsinskogo instituta. (TRIGEMINAL NEURALGIA, therapy, \*procaine, intranasal nerve block) (PROCAINE, therapeutic use, \*Miniere's dis. & trigeminal neuralgia, intranasal nerve block) (MENIERE'S DISEASE, therapy, \*procaine, intranasal nerve block)
(AMESTHESIA, REGIONAL, \*intranasal procaine nerve block in Meniere's dis. & trigeminal neuralgia) THE STATE OF THE S 11 604 14 

GURAL'HIK, S.Yo.

Some data on age changes in nerve cells of the geniculate and vestibular ganglia in man [with summary in English]. Vest.oto.-rin 20 no.4:24-28 J1-Ag 58 (MIRA 11:7)

1. Iz kafedry gistologii (zav. - prof. I.I. Gutner) i kafedry bolezney ukha, gorla i nosa (zav. - dots. Yu.K. Korotkova) Yaroslavskogo meditsinskogo instituta.

(GANGLIA, anat. & histol.

geniculate & vestibular ganglia, eff. of aging on nerve
cells (Rus))
(AGING, eff
on nerve cells of geniculate & vestibular ganglia (Rus))
(NERVES, FACIAL, PHYSIOL.
eff. of agin on nerve cells of geniculate ganglia (Rus))

GURAL'NIK, YE. L., Engr

USSR/Metals - Welding

Sep 50

"Flame Hardening of Rail Ends on Railroad Tracks," Engineers I. F. Sharov, and Ye. L. Gural'nik

"Avtogen Delo" No 9, pp 25-27

Procedure of flame hardening and tempering ends of rails on RR tracks in operation. Medium-pressure injector-type torch (GPZ-1) was accepted as best heating appliance. Hourly consumption of a cetylene is 1850-1950 1; oxygen, 1900-2000 1. Heating head has 2h holes of 0,65 mm diameter spaced at 3 mm intervals. Acetylene generator with productive capacity of 2000-2500 1/hr was part of equipment. Method, in use since 1948, is being applied more widely.

PA 167T81

RABINOVICH, A.Ya.; DIMOV, L.V.; SHAROV, I.F.; GURAL'NIK, Ye.L.; OBUKHOV, A.V., inzhener, retsenzent; ZHEREBIN, M.I., inzhener, retsenzent; ZELEVICH, P.M., inzhener, redaktor; KHITROV, P.A., tekhnicheskiy redaktor.

[Welding and weld deposition of parts of the upper track structure] Svarka i naplavka detalei verkinego stroeniie puti. Moskva, Gos. transportnoe zheleznodorozhnoe izd-vo, 1951, 206 p. (MIEA 8:1)

(Railroads--Track) (Electric welding)

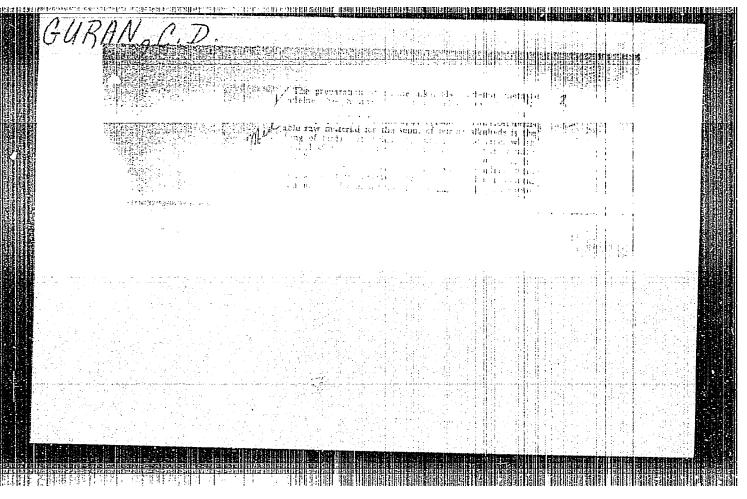
ARTEM YEV, Yu.N., kandidat tekhnicheskikh nauk; ALEKSEYEV, I.A., inzhener; ASTVATSATUROV, G.G., inzhener; BISNOVATYY, S.I., inzhener; BONDARENKO, A.F., inzhener; GURAL'NIK, Ye.L., inzhener; GORBUNOV, M.F., inzhener; ZLATKOVSKIY, A.P., Kandidat tekhnicheskikh nauk; KATTS, N.V., inzhener, KITAYEV, A.S., inzhener; KOZLOV, A.M., inzhener; LEONOV, P.T., inzhener; LIVSHITS, L.G., kandidat tekhnicheskikh nauk; LIBERMAN, A.R., inzhener; LINNIK, Ye.M., inzhener; LUKANOV, M.A., inzhener; MOROZOV, S.A., inzhener; POGORELYY, I.P., kandidat tekhnicheskikh nauk; PETROV, S.A., kandidat tekhnicheskikh nauk; PYATETSKIY, B.G., inzhener; RABOCHIY, L.G., kandidat tekhnicheskikh nauk; SELIVANOV, A.I., kandidat tekhnicheskikh nauk; CHISTYAKOV, V.D., inzhener; CHUNIKHIN, V.M., inzhener; SHIRYAYEV, A.I., inzhener; SHCHUPAK, A.D., inzhener; KUCHUMOV, P.S., inzhener, redaktor; PETROV, S.A.; PESTRYAKOV, A.I., redaktor; BALLOD, A.I., tekhnicheskiy redaktor.

[Handbook of equipment for repairing tractors and agricultural machine-ry] Spravochnik po oborudovaniiu dlia remonta traktorov i sel'skokho-ziaistvennykh mashin. Moskva, Gos. izd-vo selkhoz. lit-ry, 1954, 646 p.

(MLRA 7:11)

(Tractors -- Repairing) (Agricultural machinery -- Maintenance and repair)

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000617410005-7



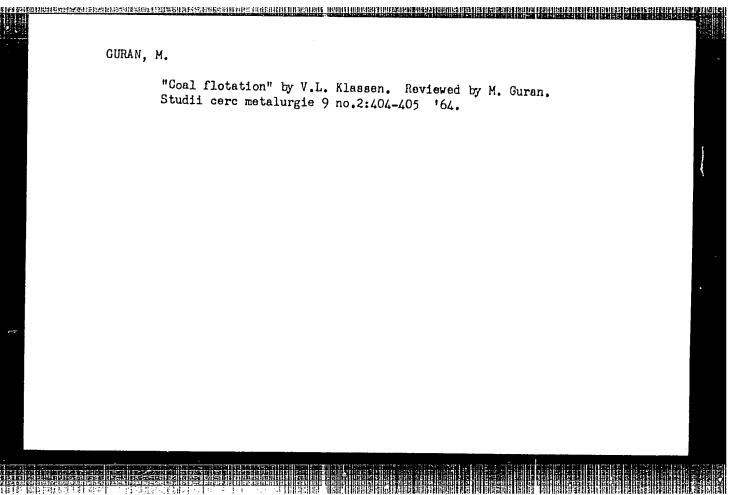
COZELCIUC, V., ing.; GURAN, E., ing.

Determination of the accumulation volumes necessary to the irrigation developments in small hydrographic basisns with insufficient hydrologic data. Meteorologia hidrol gosp 8 nc.3:133-136 '63.

REHAK, P.; LABACH, T.; GURAN, J.

Idicpathic choledochal cysts. Cesk. gastroent. vyz. 19 no.5:
306-312 Jl 165.

1. Chirurgicke oddelenie UNZ v Handlovej (veduci MUDr. P. Rehak).



GURAY, M.

TECHEN, GY

Periodical: REWISTA MURLER. Vol. 8, no. 12, Dec. 1958.

GURAN, M. Possibilities of automation in the installations of mechanical dressing.
p. 545.

Wonthly List of East European Accession (EEAI) LC, Vol. 4, no. 3

March 1959 Unclass.

GURAN, M. Cand Tech Sci -- "Search for physicochemical pickups for the automatic control of residual concentration of xanthogenate ions in pulp." Mos, 1960

(Min of Higher and Secondary Specialized Education RSFSR. Krasnoyarsk Inst of Nonferrous Metals im M. I. Kelinin). (KL, 1-61, 193)

-189-

一个大大型等人的大大型,从1942年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1 1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1943年,1

GURAN, M.; POL'KIN, S.L.; KHAN, G.A.

Studying the composition of films formed by the interaction of manthates with the electrode. Izv. vys. ucheb. zav.; tsvet. met. 4 no. 1:33-41 '61. (MIRA 14:2)

l. Krasnoyarskiy institut tsvetnykh metallov, kafedra obogashcheniya poleznykh iskopayemykh.

(Flotation--Equipment and supplies)

	GURAN,	Marius
-	gaggaronen grafou liet. H	Piezoelectricity. St si Teh Buc 14 no. 8:22-23 Ag '62.
		1. Polytechnic Institute, Bucharest.
		<u>.</u>

ा ११ मध्य मध्य पुरस्ता सम्मानका रामाञ्चाममञ्जूनमञ्जातमा समित्र । समित्र समित्र समित्र स्थापन स्थापन स्थापन स्थ इ.स.च्या समित्र समि

KHAN, G.A.; GURAN, M.; BAULOV, V.I.; SMIRNOV, V.V.

Testing automatic photometric equipment for the continuous measurement of residual xanthate ion concentrations in flotation pulp. TSvet.met. 35 no.8:79-81 Ag '62. (MIRA 15:8) (Flotation—Equipment and supplies) (Photometers—Testing)

GURAN, M.

RUMANIA

。 一定,是是一种。在他们的时间,他们们的时间,他们们们的时间,他们们们的时间,他们们们的时间,他们们们们的时间,他们们们们的时间,他们们们们们们们们们们们们们们

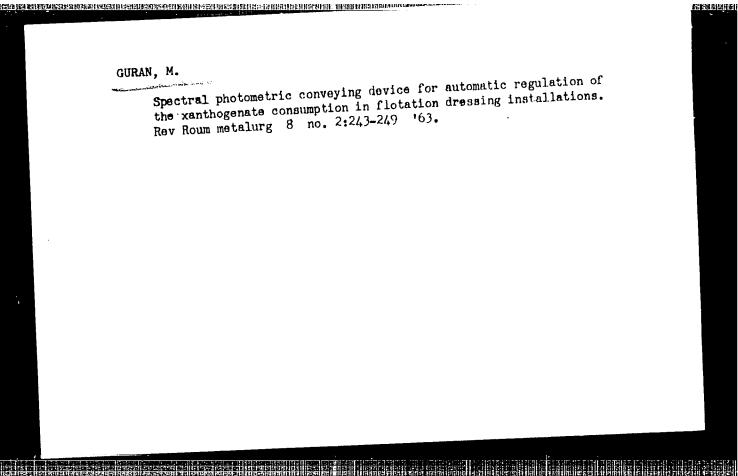
GURAN, M.

From the Dissertation: Study of the physical-chemical translation factors for the automatic control of the residual concentration of xanthogenate ions in flotation turbidity, made at the Nonferrous Metals Institute in Moscow, under the guidance of the scientific directors Professor Dr S. I. Polkin and Lecturer G. A. Han.

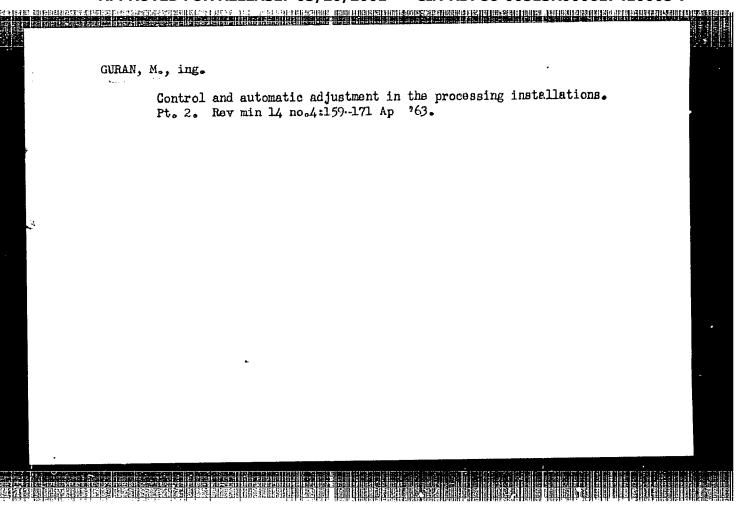
Bucharest, Studii si Cercetari de Metalurgie, No 1, 1963, pp 65-73.

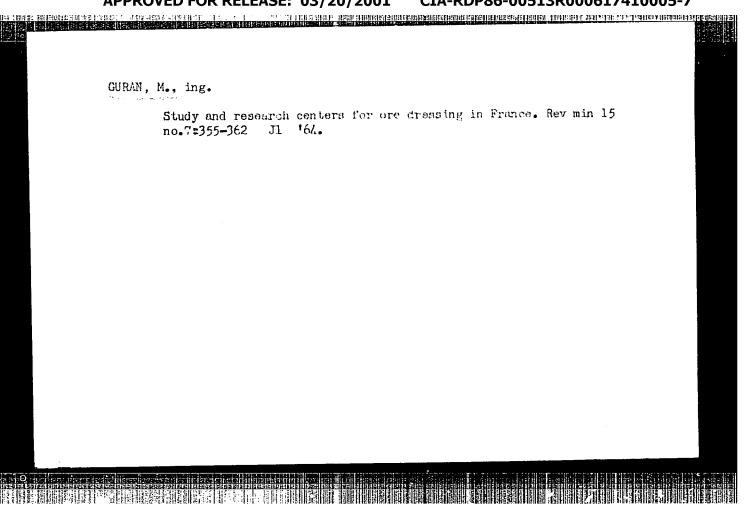
"Study of a Spectro-Photometric Translation Factor for the Automatic Adjustment of the Consumption of Xanthate in Flotation Installations."

(1)



GURAN,	M.,,ing.	_					
and the second s	Automatic con their economi	trol and adjust cefficiency.	tment of me Pt. 1. Re	chanical dr v min 14 no	essing works .3:102-107 M	and '	
	•						
						*∳ <sup>†</sup>	





USSR/Engineering - Pipe Lines Jan 48 "
Turbogenerators

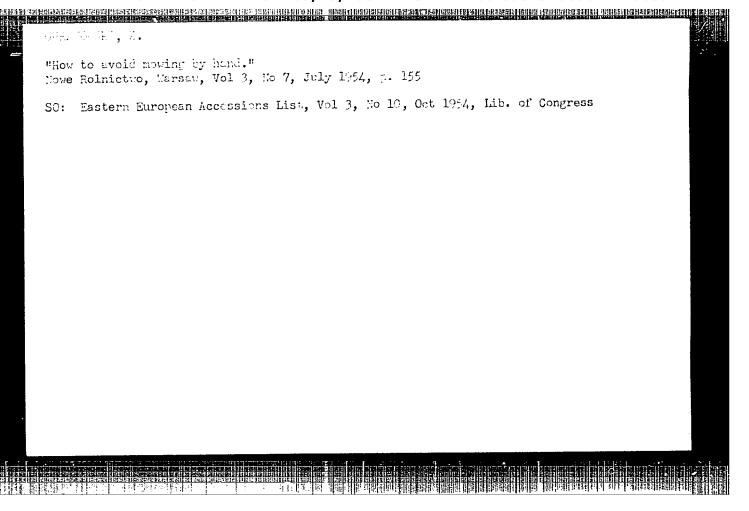
"Experience in Erecting a High-Pressure Pipe Line,"
N. I. Gurando, Ergr, Laureate of Stalin Prize,
F. S. Markman, Engr, 22 PP

"Elek Stants" No 1

Plant consists of two boilers supplying one turbogenerator. Rollers produce 90-100 tons of steam per hour at 90 ats and 495° C of superheat. Turbogenerator gives 35,000 kw at 70 ats and 3,000 rpm.
Describes design techniques and features for various types of high-pressure pipe lines. Includes four diagrams and five tables.

3/50729

INTEREST		EDINE.					
	GURANOWSKI, Z.						
	"Winter pasture land for sheep." (p. 94). NOWE ROLNICTWO (Panstwowe Wydawnichtwo Rolnicze i Lesne) Warszawa, Vol 3, No 1, Jan. 1954.						
	SO: East European Accessions List, Vol 3, No 8, Aug 1954.						
THE RESERVE							



GURANOWSKI, Z.

"Should We Fertilize With Nitrogen in the Culture of Barley for Brewing?" From experience in the German Democratic Republic. p. 9
"Subjects of meadow experiments for Michurin Experimental Circles." p. 10
(Plon, Vol. 5, No. 4, Apr. 1954)

Vol. 3, No. 6
SO: Monthly List of East European Accessions,/Library of Congress, June, 1954, incl.

#### 

(MIRA 12:3)

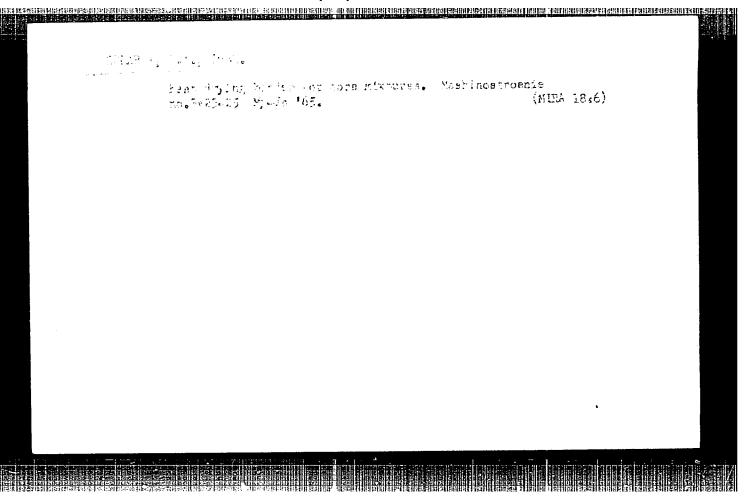
**(7**)

GURARI, A.L.; POPPE, K.K.

Practice in the use of aminazine. Vop. psikh. i nevr. no.3:316-329

158.

1. Iz III Leningradskoy psikhonevrologicheskoy bolinitsy.
(PSYCHOSES) (CHLORPROMAZINE)

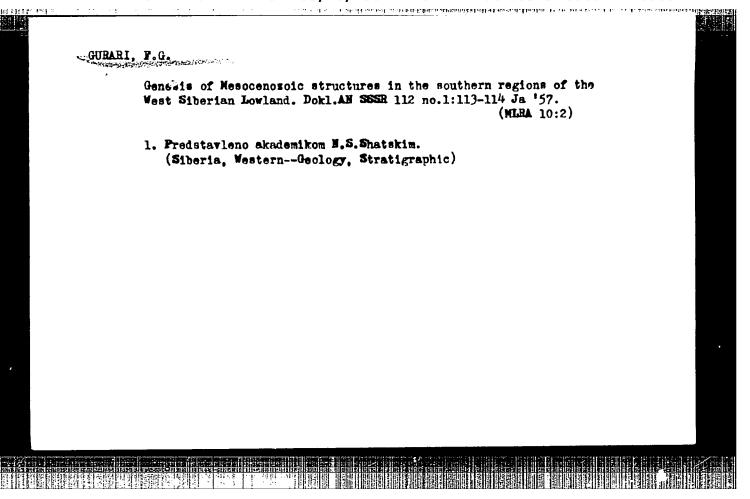


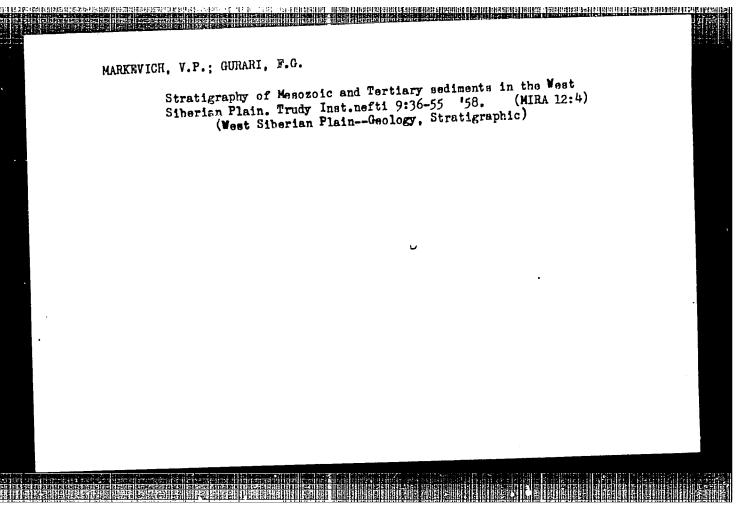
GURARI, F.G.

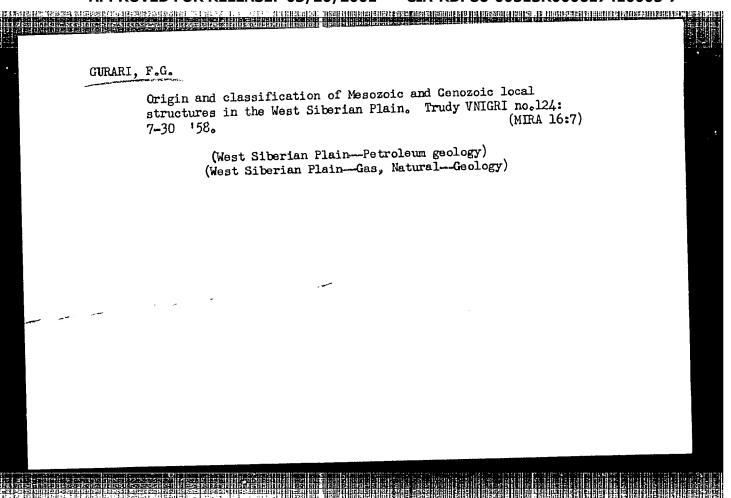
Structural characteristics of the Mesozoic-Cenozoic cover of the West Siberian Plain, Geol.nefti 1 no.8:1-8 Ag '57. (MIRA 10:12)

1.Sibirskiy filial Yeesoyuznogo neftyanogo nauchno-issledovatel'skogo geologo-razvedovhnogo instituta.

(West Siberian Plain-Geology, Structural)

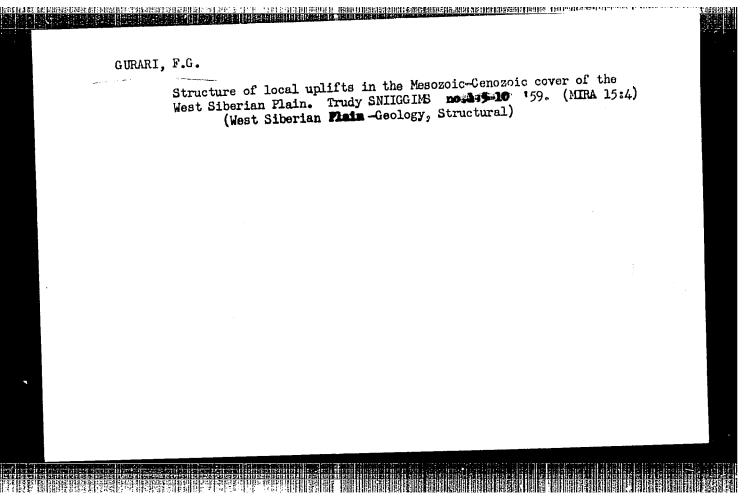


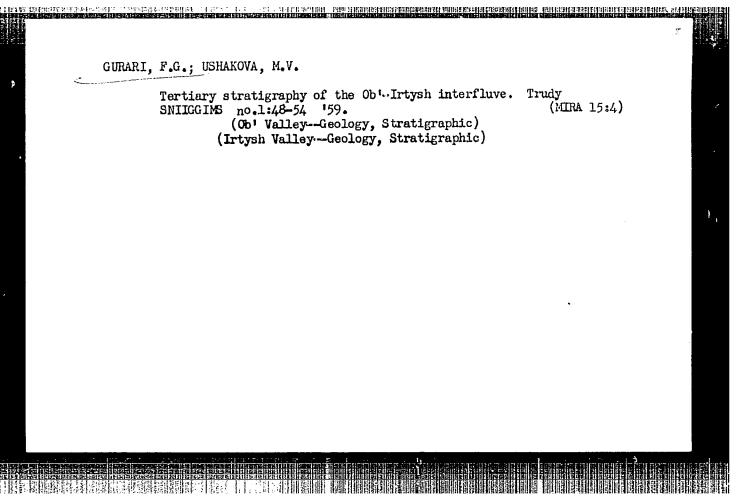




GURARI, Fabian Grigor'yevich; KAZARINOV, V.P., nauchnyy red.; KELAREV, L.A., vedushchiy red.; GENNAD'YEVA, I.M., tekhn. red.

[Geology, and oil and gas potentials of the Ob'-Irtysh interfluve]
Geologita i perspektivy neftegazonosnosti Ob'-Irtyshskogo mezhdurach'ia.
Geologita i perspektivy neftegazonosnosti Ob'-Irtyshskogo mezhdurach'ia.
Leningrad, Gos. nauchno.-tekhn. izd.-vo nert. i gornotoplivnoi lit-ry.
Leningrad, Gos. nauchno.-tekhni nid.-vo nert. i gornotoplivnoi lit-ry.
Leningra otd-nie, 1959. 172 p. (Sibirskii nauchno-issledovatel'skii
Leningr. otd-nie, 1959. 172 p. (Sibirskii nauchno-issledovatel'skii
(Ob' Valley--Fetroleum geology)
(Ob' Valley--Fetroleum geology)
(Ob' Valley--Fetroleum geology)
(Irtysh Valley--Petroleum geology)
(Irtysh Valley--Gas, Natural--Geology)
(Irtysh Valley--Gas, Natural--Geology)





GURARI, F.G.; USHAKOVA, M.V.

Stratigraphy of Tertiary sediments in the Ob'-Irtysh interfluve. Sov.geol. 2 no.7:47-51 J1 '59. (MIRA 13:1)

1. Sibirskiy nauchno-issledovatel'skiy institut goologii, geofiziki i mineral'nogo syr'ya (SMIGIRS).

(Ob' Valley-Geology, Stratigraphic)

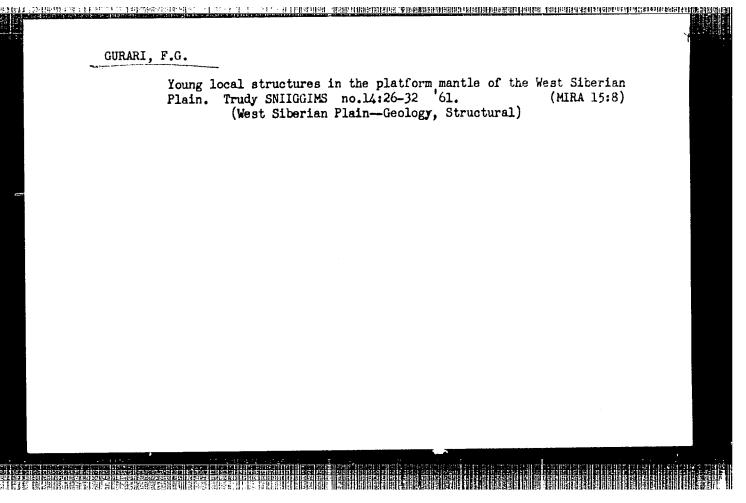
(Irtysh Valley-Geology, Stratigraphic)

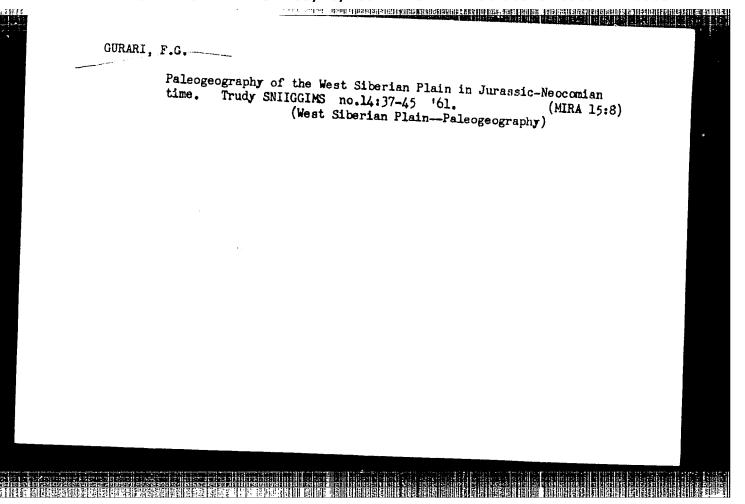
GURARI, F.G.; KAZARINOV, V.P., KASIYANOV, M.V.; NESTEROV, I.I.,
ROSTOVTSEV, N.N.; ROVNIN, L.I.; RUDKEVICH, M.Ya.; TROFIMUK, A.A.;
ERVIYEV, Yu.G.; MIRONOV, Yu. K.

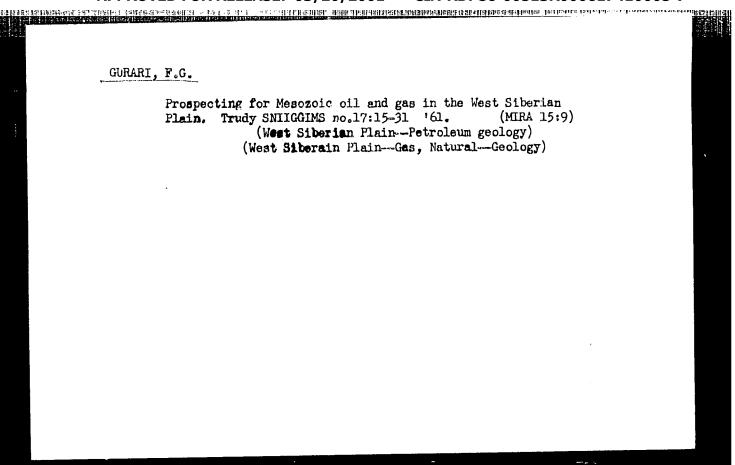
West Siberian Plain is a new oil and gas production center of the U.S.S.R. Geol.i geofiz. no.10:3-15'61. (MIRA 14:12)

l. Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki i mineral'nogo syr'ya, Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR, Novosibirsk, Tyumenskoye territorial'noye geologicheskoye upravleniye i Novosibirskoye territorial'noye geologicheskoye upravleniye.

(West Siberian Pain -- Petroleum geology) (West Siberian -- Gas, Natural)







LEBEDEV, I.V., otv.red.vypuska; KAS'YANOV, M.V., glavnyy red.;

GURARI, F.G., zamestitel' glavnogo red.; AMSHINSKIY, N.N., red.;

ARUSTAMOV, A.A., red.; DERBIKOV, I.V., red.; KAZARINOV, V.P.,

red.; KALUGIN, A.S., red.; MALIKOV, B.N., red.; MIKUTSKIY, S.P.,

red.; ROSTOVTSEV, N.N., red.; SUKHOV, S.V., red.; TESLENKO, Yu.V.,

red.; UMANTSEV, D.F., red.; SAFRONOVA, I.M., tekhn.red.;

RAGINA, G.M., vedushchiy red.

[Biostratigraphy of Mesozoic and Tertiary sediments in Western Siberia] Biostratigrafiia mezozoiskikh i tretichnykh otlozhenii Zapadnoi Sibiri. Moskva, Gostoptekhizdat. Vol. 1. 1962. 590 p. Vol. 2. [Atlas of paleontological plates and their explanations] Atlas paleontologicheskikh tablits i ob"iasneniia k nim. 1962. 128 plates. (Its Trudy, no.22). (MIRA 17:4)

GURARI, F.G.; NESTEROV, I.I.; RUDKEVICH, M.Ya.

Stratigraphy of Mesozoic and Cenozoic sediments in the West Siberian Plain. Geol. i geofiz. no.3:3-10 '62.

1. Sibirskiy nauchno-issledovatel'skiy institut geologil, geofiziki i mineral'nego syr'ya, Novosibirsk.

(West Siberian Plain--Geology, Stratigraphic)

AKUL'SHIMA, Ye.P.; BGATOV, V.I.; GURARI, F.G.; GURCVA, T.I.; DERBIKOV, I.V.;
YEGAMCV, E.A.; KAZANSKIY, Tu.P.; KALUGIN, A.S.; KAS'YAMOV, M.V.;
KOSOLOBOV, N.I.; KASYGIN, Yn.A.; MIKUTSKIY, S.P.; SAKS, V.N.;
TROFIMUK, A.A.; UMANTSEV, D.D.

Professor Vladimir Panteleimonovich Kazarinov; on his 50th birthday.
Geol. i geofiz. no.3:122-123 '62. (MIRA 15:7)
(Kazarinov, Vladimir Panteleimonovich, 1912-)

BLIZNICHENKO, S.I.; GURARI, F.G.; DOLININA, T.V.; TRUSIKOVA, L.Ya.

Chafacteristics of the Lokosovo series in the middle Obr Valley.

Trudy SNIIGGIMS no.26:62-76 '62.

(Obr Valley--Petrolaim geology)

(Obr Valley--Gas, Natural--Geology)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000617410005-7"

GURARI, F.G.; ROSTOVTSEV, N.N.; CHOCHIA, N.G.

Concerning the article of N.I.Buialow and others, "Classification of predicted oil and gas reserves and method of rating them."

(MIRA 15:2)

(Petroleum geology)(Gas,Natural.—Geology)

(Buialow,N.I.)

GURARI, F.G.; ZAPIVALOV, N.P.; KONTOROVICH, A.E.; NESTEROV, I.I.; STAVITSKIY, B.P.

Regularities of change in the composition of Mesozoic crudes of the West Siberian Plain. Geol. nefti i gaza 8 no.12:23-27 D '62. (MIRA 18:2)

1. Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki i mineral'nogo syr'ya.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000617410005-7"

GURARI, F.G.

Establishing the new Lokosovo series in the Jurassic deposits of the middle b' Valley. Dokl. AN SSSR 143 no.1:171-174 Mr '62.

1. Sibirskiy nauchno-issledovatel skiy institut geologii, geofiziki i mineral nogo syr'ya. Predstavleno akademikom A.L. Yanshinym.

(Ob' Valley---Geology, Stratigraphic)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000617410005-7"

#### 

## GURARI, F. G.

Dissertation defended for the degree of Doctor of Geologo-Mineralogical Sciences at the Joint Academic Council on Geologo-Mineralogical, Geophysical, and Geographical Sciences; Siberian Branch

"Geology and Petroleum Gas Content of Mesozoic and Cenozoic Deposits of the South and Central Parts of the Western Siberian Depression."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

#### 

KAZARINOV, V.P., otv.red.vypuska; ROSTOVTSEV, N.N., glavnyy red.; SEGAL', Z.G., vedushchiy red.; GURARI, F.G., zamestitel' glavnogo red.; AMSHINSKIY, N.N., red.; DERBIKOV, I.V., red.; KALUGIN, A.S., red.; MALIKOV, B.N., red.; MIKUTSKIY, S.P., red.; SUKHOV, S.V., red.; TESLENKO, Yu.V., red.; UMANTSEV, D.F., red.; GAVRILOVA, N.V., red.; SAFRONOVA, I.M., tekhn. red.

[Geology and prospects for finding oil and gas in the northwestern part of the Siberian Platform.] Geologicheskoe stroenie i perspektivy neftegazonosnosti severo-zapada Sibirskoi platformy. Leningrad, Gostoptekhizdat, 1963. 183 p. [Trudy Sibirskogo nauchno-issledovatel skogo instituta geologii, geofiziki i mineral nogo syr'ya, no.28.] (MIRA 16811)

GURARI, F.G.; KAZARINOV, V.P.; MIRONOV, Yu.K.; NALIVKIN, V.D.;

NESTEROV, I.I.; OSYKO, T.I.; ROVNIN, L.I.; ROSTOVTSEV,

N.N.; RUDKEVICH, M.Ya.; SIMONENKO, T.N.; SOKOLOV, V.N.;

TROFIMUK, A.A.; CHOCHIA, N.G.; ERV'YE, Yu.G.;

OMEYSH-KUZNETSOV, S.O., red.; LOKSHINA, O.A., tekhn.red.

[Geology and oil and gas potentials of the West Siberian Plain, a new tank farm of the U.S.S.R.] Geologiia i nefte-gazonosnost¹ Zapadno-Sibirskoi nizmennosti-novoi neftianoi bazy SSSR. Novosibirsk, Izd-vo Sibirskogo otd-niia, 1963. 199 p. (MIRA 17:1)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000617410005-7"

"Oil and gas deposits of the West Siberian lowland."
report submitted for 22nd Sess, Intl Geological Cong, New Delhi, 14-22 Dec 1964.

BOGOMYAKOV, G.P.; GURARI, F.G.; KAZAKOV, D.Ye.; MIRONOV, Yu.K.; NESTEROV, I.I.; ROZHOK, N.G.; ROVNIN, L.I.; ROSTOVTSEV, N.N.; RUDKEVICH, M.Ya.; TSIBULIN, L.G.; ERV'YE, Yu.G.

Prospecting for oil and gas in the West Siberian Plain. Geol. nefti i gaza 8 no.9:43-48 S '64. (MIRA 17:11)

l. Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki i mineral'nogo syr'ya, Tyumenskoye geologicheskoye upravleniye i Novosibirskoye territorial'noye geologicheskoye upravleniye.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000617410005-7"

SIDORERKO, A.V., grav. red.; ROSTOVTSEV, N.N., red.; GURARI, F.G., red.; TEGOROV, 3.V., red.

[Geology of the U.S.S.R.] Geologiia SSSR. Moskva, Nedra. (MIRA 18:9)

GURARI, F.G.; BLIZNICHENKO, S.I.

Nizhne-Vartovskoye arch, a large zone of oil and gas accumulation. Geol. nefti i gaza 8 no.8:8-14 Ag '64.

(MIRA 17:8)

1. Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki i mineral'nogo syr'ya.

SOURCE CODE: UR/0000/64/000/000/0244/0259 AUTHOR: Gurari F. G.; Mironov, Yu. K.; Nesterov, I. I.; Rovnin, L. I.; Rostovtsev, N. N.; Rudkevich, M. Ya.; Erv'ye, Yu. G. ORG: none TITLE: Oil and gas deposits of the west Siberian lowland SOURCE: International Geological Congress. 22d, New Delhi, 1964. Geologiya nefti (Petroleum geology), Moscow, Izd-vo "Nauka," 1964, 244-259 TOPIC TAGS: geology, physical geology, natural gas, petroleum, fuel, seismology ABSTRACT: The West Siberian lowland is a gigantic intraplatform depression of about 3.4 million square kilometers. There are two structural stages in its basement. The lower (first) stage is built up of folued structure consolidated in different agesfrom Archean to Hercynian. The upper (second) stage is composed of slightly dislocated parageosynclinal Early Mesozoic and Paleozoic deposits which fill up intermontane depressions and form undulated nappes. The cover of the platform is constructed of thick (up to 4000-5000 meters) series of Meso-Cenozoic sandy-clay rocks. In the rocks of the second tectonic stage of the basement numerous oil and gas shows are known, but structural complexity and the great depths at which oil and gas occur make prospecting very difficult. It is usually done together with studies of oil and gas deposits in the platform mantle, which is considered to be Card 1/4

上为5分离过20分子,2014年,7月25年,3月14年,19月2日,由于100年的11日,4月20日,1月18日日 11日18日 12日18日 12日18日 12日18日 12日18日 12日18日 12日18日 1

L 20893-66

ACC NR: AT5028972

the most promising oil- and gas-bearing formation. Within the West Siberian lowland two areas with different modes of mantle deposit occurence are distinguished: the outer, with the basement lying at a depth of 2000 meters or less, and the inner, from 2000 to 4000-5000 meters deep. The outer area is characterized by nose-type highs sinking towards the center of the platform. The inner area is characterized by domination of closed structures. A great number of local elevations complicating larger structures is observed within both areas. All of them are very gentle (angle of flanks from 1° to 3°), with the base protrusion high in the core, noticeably flattening out or passing into structural noses or monoclines in the upper horizons of the mantle. Rhythmical alternation of thick, mainly sand-silt series with essentially clay series is characteristic of the mantle deposits. Almost all Jurassic and Lower Cretaceous sand-silt series are regionally petroliferous. In the section the following stratigraphic units are distinguished through productive deposits: 1) The Zavadoukovski clay-silt-sand series of Early-Middle Jurassic partly of Callovian age, up to 1500 meters thick, characterized by a great diversity of facies including continental deposits of various types-littoral, and, less frequently, marine deposits. Numerous small oil inflows and gas outbursts of short duration were obtained from sandstones of the Zavodoukovski series in the central part of the platform. The small Unst-Silga gas condensate field in the northern part of the Tomsk region is confined to this series. 2) The Maryanovka suite of black highly bituminous argillites, up to 100 meters thick, of Late Jurassic, partly Valanginian-Hauterivian age. Its base consists of a series of basal sandstones unpersistent in the strike, with numerous oil and gas shows. In the western Ural

Card 2/k

L 20893-66 ACC NRi AT5028972

regions of the lowland, where these sandstones directly overlie the basement rocks and are up to 100 meters thick, 16 gas fields and 3 oil fields have been discovered. 3) The Kulomsino suite represented mainly by Valanginian clay rocks, passing in the northwest into the Alyaska suite of Valanginian-Hauterivian age. In the central regions of the lowland numerous oil shows and two oil fields have been revealed in the sandstones of the upper part of this formation. There are essentially sandstone deposits of the Tara (Upper Valanginian-Lower Hauterivian) and Varta (Hauterivian-Barremian) suites further up, which are the main productive formations in the central and northern regions of the lowland. Three oil fields and two was fields, including large ones, have been discovered there. In the overlying Cretaceous, Paleogene, and Neogene sandy-clay deposits no oil or gas field is known. In the Okhteurevsk area a subcommercial gas spout has been obtained from Senonian sandstones. Oil and gas shows in Cretaceous deposits have been observed in a number of wells. Geochemical investigations have shown that the content of organic carbon and bitumen increases from marginal zones toward the centre of the lowland in all productive strata of Jurassic and Lower Cretaceous age. The degree of bitumen reduction rises, and the degree of oil hypergenesis decreases in the same direction. The degree of mineralization and metamorphism of underground waters also rises from the marginal zones to the center of the lowland. A deviation from normal is observed in the Surgut district, where the degree of mineralization of Jurassic and Lower Cretaceous waters is reduced, and Neocomian oils have undergone considerable cryptohypergenesis. A study of oil and gas reservoirs in Jurassic and Lower case Cretaceous deposits has shown deterioration of their properties from the marginal

Card 3/4

L 20893-66

ACC NR: AT5028972

zones of the lowland towards its central regions. At the same time it has been established that paleotectonic conditions greatly affect the properties of reservoirs in Neocomian deposits. The thickest, highly permeable sand beds overlay arches of large consedigenous uplifts. A map of supposed oil and gas reserves on the West Siberian platform has been prepared, based on the results of an analysis of the data available on facial characteristics of rocks, hydrogeology, reservoir properties, geochemistry, distribution of the already known oil and gas fields and shows, etc. The central and northern regions of the lowland are the most promising areas. The data available indicate that the West Siberian lowland is one of the world's new oil and gas provinces. Orig. art. has: 3 figures. [Author's abstract.]

SUB CODE: 08/ SUBM DATE: 21Nov64/

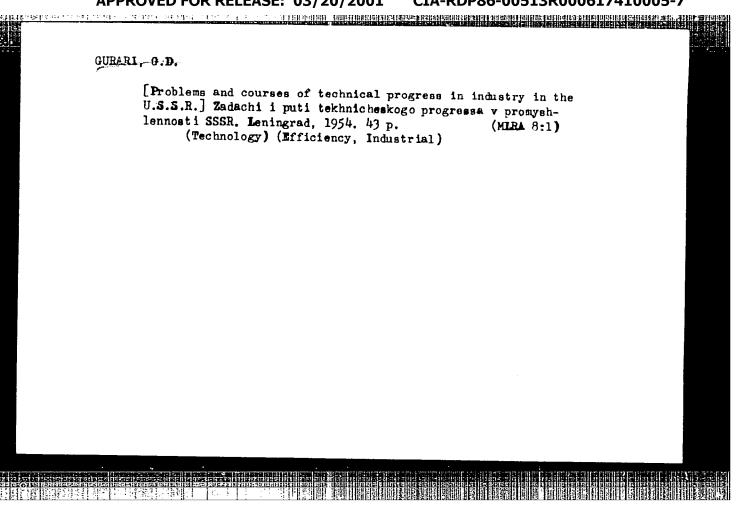
TUYEZOVA, Nina Aleksandrovna; Prinimali u 'stiye: DEMINA, R.G.; BRYUZGINA, N.I.; ROSTOVTSEV, N.N., glavnyy red.; GURARI, F.G., zarestitel' glavnogo red.; UMANTSEV, D.F., red.; DERBIKOV, I.F., red.; KAZARINOV, V.P., red.; KALUGIN, A.S., red.; KOLOBKOV, M.N., red.; MALIKOV, B.N., red.; MIKUTSKIY, S.P., red.; BOTVINNIKOV, V.I., red.; BUDNIKOV, V.I., red.; BOGOMYAKOV, G.P., red.; SURKOV, V.S., red.; SUKHOV, S.V., red.; BOCHAROVA, N.I., red.

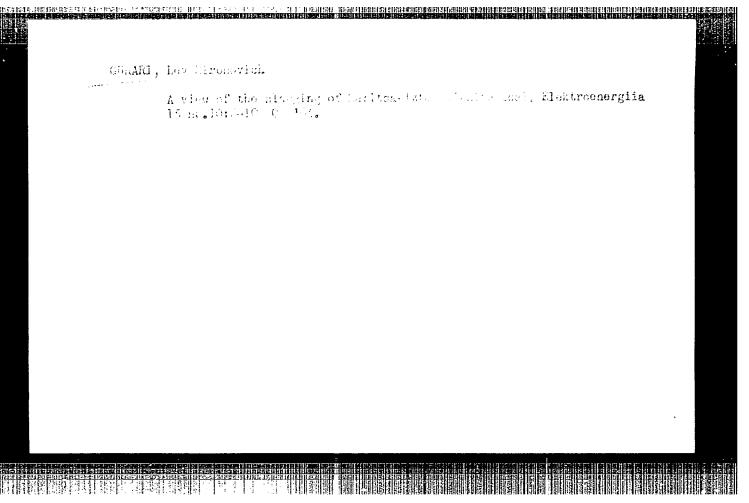
[Physical properties of rocks in the West Siberian Plain.]
Fizicheskie svoistva gornykh porod Zapadno-Sibirskoi nizmennosti.
Moskva, Nedra, 1964. 127 p. (Sibirskii nauchno-issledovatel'skii
institut geologii, geofiziki i mineral'nogo syr'ia. Trudy, no.31).

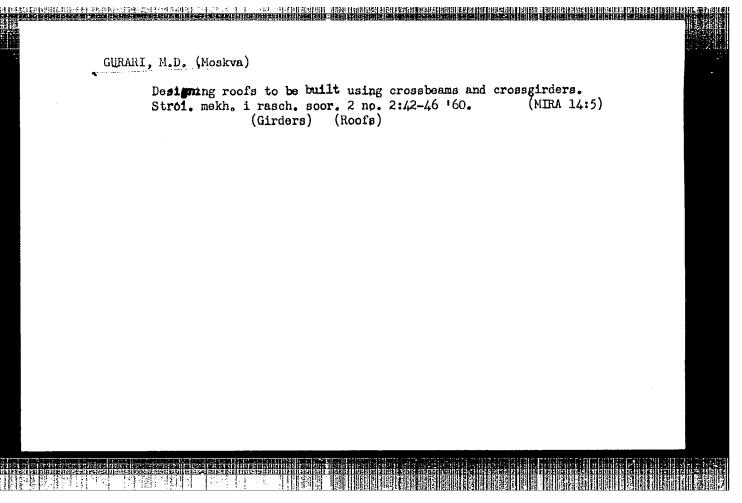
(MIRA 18:7)

ALADYSHKIN, A.S.; VASIL'KOVSKIY, N.P.; VINKMAN, M.K.; GINTSINGEE, A.B.; GURARI, F.G.; KARPINSKIY, R.B.; KRASIL'NIKOV, B.N.; KRASNOV, V.I.; KRIVENKO, A.P.; LUCHITSKIY, I.V.; PAN, F.YA.; PETROV, P.A.; POSPELOV, G.L.; SENNIKOV, V.M.; CHAIRKIN, V.M.; SHCHEGLOV, A.P.

In memory of Andrei Aleksandrovich Predtechenskii, 1909-1964. Geol. i geofiz. no.4:197-199 '65. (MIFA 18:8)







BALDIN, V.A.; TARANOVSKIY; S.V., prof., doktor tekhn.nauk; KHOKHARIN, A.Kh., kand.tekhn.nauk; BROUDE, B.M., doktor tekhn.nauk; CHUVIKIN, G.M., kand.tekhn.nauk; GUHARI, M.D., inzh. [deceased]; LOKSHIN, Ye.E., kand.tekhn.nauk; KOVALICHUK, M.F., inzh., red.; STRASINYKH, V.P., red.izd-va; RYAZANOV, P.Yo., tekhn.red.

[Technical specifications SN 113-60 for designing elements made of aluminum alloys] Tekhnicheskie usloviia proektirovaniia konstruktsii iz aliuminievykh splavov, SN 113-60. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 86 p. (MIRA 14:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy Akademii stroitel'stva i arkhitektury SSSR (for Taranovskiy, Khokharin, Broude, Chuvikin). 3. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Baldin). 4. Gosudarstvennyy proyektnyy institut Proyektstal'konstruktsiya Glavstroy-proyekta pri Gosstroye SSSR (for Gurari, Lokshin).

(Aluminum alloys)

GURARI, N. G. 25588

Apparat Dlya Ispytaiya Metallov Na Korroziya **Pri** Periodicheskom Pogruzhenii V Zhidkostb. V. SB: Korroziya, Zashchita Ot Korrozii i Elektroliz. M., 1948, S. 173-78.

SO: LETOPIS NO. 30, 1948

GRINBERG, T., GURARI, N.

Slaughtering and slaughterhouses

Automatic swing for suspending cattle carcasses for bleeding. Mias. ind. SSSR 23 no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1953, Uncl.

### 

	1. GORBATOV, V, Eng: GURARI, N. : YAKOVIEV, V.	
:	2. USSR (600)	
	4. Sla ughtering and slaughterhouses	
	7. Automatic electric device for stunning livestock. Mias. Ind. SSSR 23, no.5., 1952.	
	r <del>i</del>	
	· · ·	
9.	. Monthly List of Russian Accessions, Library of Congress,1953, Unclassified.	

- 1. GRINBELG, T.; GURARI, N., Eng.
- 2. 0555 (600)
- 4. Slaughtering and Slaughterhouses
- 7. New design for a lock for automatic slaughtering pens. Mias. ind. SSSR. No. 2, 1953.

.9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

	。 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	U a starte
	GRINBERG, T.; CHIRARI N.	
	L-1-1000 electric dressing line winch. Mias.ind.SSSR 25 no.1:34-38 (MLRA 7:3)	
	1. Gipromyasomolprom. (Meat industry) (Conveying machinery)	5
A TO A RESIDENCE TO THE PERSON OF THE PERSON		7

;15 mm all and publications target amount and 15 th see and 18 th the break the all and 18 th the all and a break and a second of the all and a break and a second of the all and a break and a second of the all and a secon

GURARI, N., inzhener

Lifting platform for the dressing section. Mias.ind SSSR 26 no.2:6-7

155. (MLHA 8:7)

1. Gipromyaso. (Slaughtering and Slaughterhouses—Equipment and supplies) (Hoisting machinery)

LIPATOV, D., kandidat tekhnicheskikh nank; BURMIN, L., inzhener; GURARI, N., inzhener.

Electric shaft drive for conveyer system. Miss.ind.SSSR 26 ne.6:16-20 '55. (Cenveying machinery) (NLRA 9:2)

्र राष्ट्र कर्नाहरः । क्षेत्राच मेनव्यक्षां कारक्षां क्षांक्षां कार्यक्षां क्षांक्षां कर्मा कार्यक्षां कार्यक

GRINBERG, T.D.; GURARI, N.G.; SINJTSYN, K.D.; KASHIRINA, V.M., retsenzent; VASIL'YEVA, G.N., red.; YAROV, E.M., tekhn.red.

[Mechanization of conveying in raw materials sections of sausage and meat canning plants] Mekhanizatsiia transportnykh operatsii v syr'evykh tsekhakh kolbasnogo i konservnogo proizvodstva.

Moskva, Pishchepromizdat, 1956. 50 p. (MIRA 12:1)

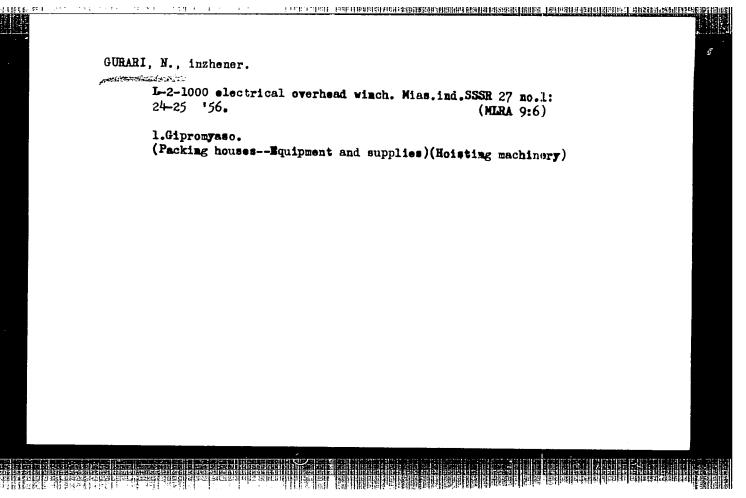
(Meat industry--Equipment and supplies)

(Conveying machinery)

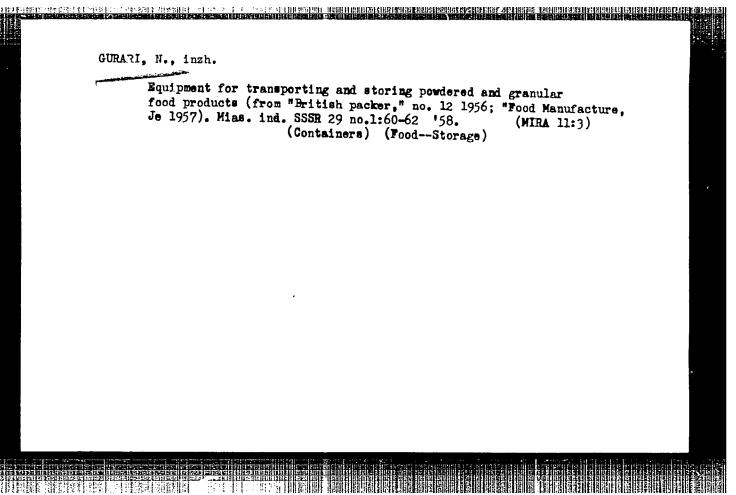
GURARI, Natan Grigor yevich; ALEKSANDROV, M.P., dotsent, kandidat tekhnicheskikh nauk, retsenzent; FALEYEV, G.A., inzhener, retsenzent; DEDUKH, V.A., inzhener, spetsredaktor; IVANOVA, N.M., redaktor; GOTLIB, E.M.,

[Hoisting and transporting equipment in the meat and dairy industry] Pod\*emno-transportnoe oborudovanie miasnoi i molochnoi promyshlennosti. Moskva, Pishchepromizdat. Pt.l. [Load-lifting machines and elevators] Gruzopod\*emnye mashiny i elevatory. 1956. 192 p.

(Hoisting machinery) (MLRA 10:1)



	RI, N., inzhener.	t combines. Mias.ind.	
	Modern electric winch and conveyers in mes SSSR 27 no.6:15-17 156.	·	
	1. Gosudarstvennyy institut po proyektirov myasnoy promyshlennosti. (Conveying machinery) (Winches)	vaniyu predpriyatiy	
,			



GURARI, N., inzh.; NIKITIN, R.

Screw conveyer for meat cuts. Mias. ind. SSSR 29 no. 4:9-10 '58.

(MIRA 11:8)

1. Gipromyaso.

(Packing houses--Equipment and supplies)

(Conveying machinery)

#### 

GURARI, N., inzh.

Mechanization of the transprotation of raw product within onestory sausage factories. Mias.ind.SSSR 30 no.6:7-10 '59. (MKRA 13:4)

1. Gosudarstvennyy institut po projektirovaniyu predprijatiy myasnoy promyshlennosti (Gipromyaso).
(Sausages)

GURARI, N., inzh.; ARANOVICH, L., inzh.

"Ostankino P-8", automatic meat stuffing machinery for making dumplings. Mias.ind.SSSR 31 no.1:10-12 '60. (MIRA 13:5)

1. Oipromyaso.

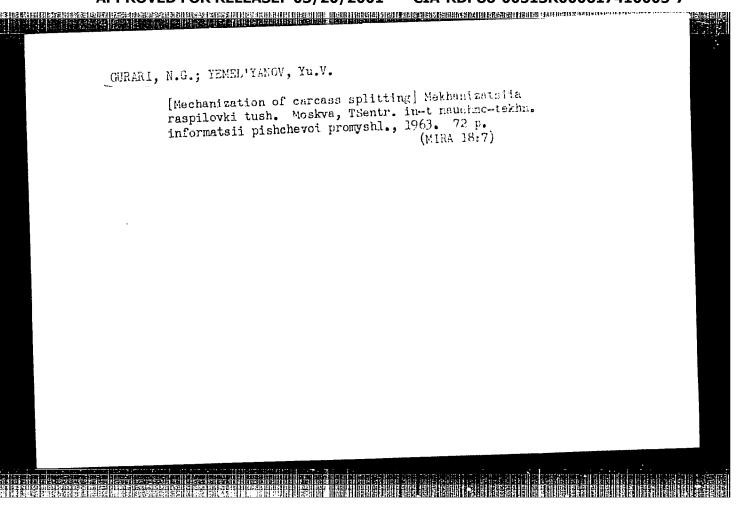
(Moscow--Packing houses--Equipment and supplies)

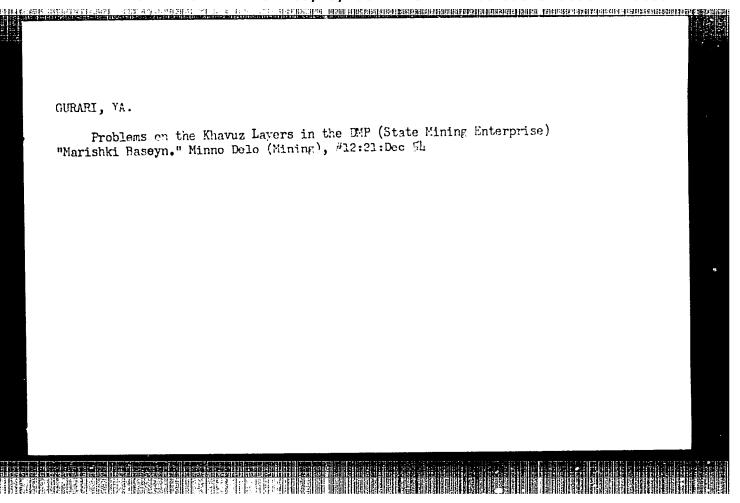
GURAR1	I, N.G.	
	The PM-15 mobile slaughterhouses. Biul.tekhekon.inform.  (MIRA 13:6)  no.2:51-52 '60.  (Slaughtering and slaughterhouses)	
		•

GURARI, N.G.; UR'YASH, B.F.

[Mechanization of flaying in meat packing plants] Mekanizatsiia s"emki shkur na miasokombinatakh. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi pro-

myshl., 1963. 98 p.





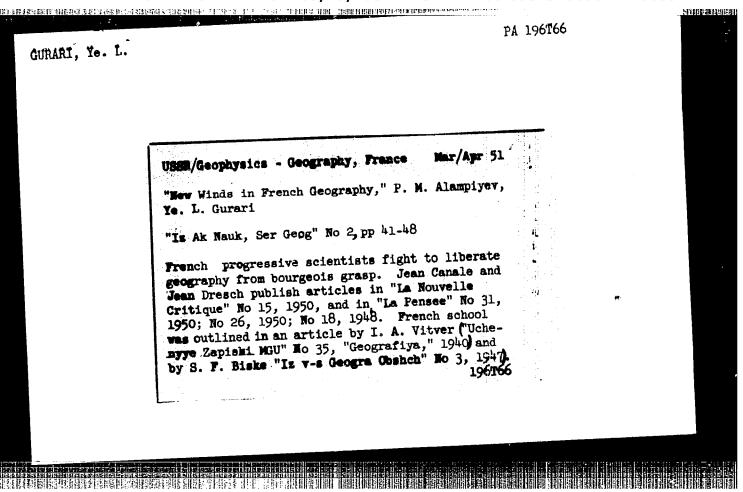
CURARI, Ye. I. (Candidate of Economic Sciences)

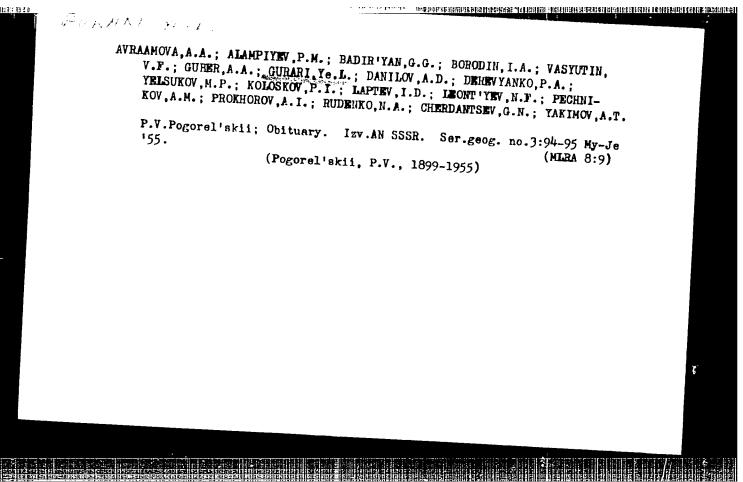
"Some Questions on the Presentation of Industries in Economic School Maps,"

<u>Issledovaniya po Kartografii</u> (Research in Cartography), Moscow, Geodezizdat,

1957. 97 p. (Its: Trudy, vyp. 117) 1,700 copies printed.

The author discusses the difficulties connected with the presentation of any large concentration of industrial activities e.g. (the Ruhr, Lancashire, etc) in a small area without omitting some of the activities. The author suggests making two or more maps of the same area and illustrates this with the example of Lodz. He also suggests some symbols to be used for such a map; these symbols are shown on several maps drawn by the author, among them a general economic map of Moravia. The author believes that the lack of adequate information on potential industrial resources, such as the possibilities for power development or the existence of unexploited mineral wealth is one of the major defects of all present-day economic school maps. In his opinion potential industrial resources should be included in school maps on economic conditions in a given area. There are 7 maps and 1 Soviet reference.





ALAMPIYM, P.M.; BYUSHGENS, L.M.; GURARI, Ye.L.

"Oxford regional economic atlas: The U.S.S.R. and Hastern Burope."

Reviewed by P.M.Alampiev, L.M.Biushgens, B.L.Gurari. Izv.AN SSSR.

Ser. geog. no.4:128-135 Jl-Ag '56. (MER 9:10)

(Russia—Economic conditions) (Europe, Eastern—Economic conditions)

。 (1987年) - 1987年 - 1

ALAMPIYEV, P.M.; APENCHENKO, V.S.; HEKOVA, T.N.; BYUSHGENS, L.M.; GINZBURG, G.Z.; GORDONOV, L.Sh.; GRIGOR'YEV, A.A., akademik; CHRARI, Yo.L.; DANILOV, A.D.; DEMIN, L.A.; DOBROV, A.S.; SHIRMUNSKIY, M.M.; KULAGIN, G.D.; MILEYKOVSKIY, A.G.; MURZAYEV, E.M.; PAVLOV, V.V.; POPOV, K.M.; YANITSKIY, N.F.

Lev IAkovlevich Ziman, 1900-1956; obituary. Izv. AN SSSR.Ser.geog. no.6:153-154 N-D \*\*156. (NIRA 10:1) (Ziman, Lev IAkovlevich, 1900-1956)

GURARI HE L

### PHASE I BOOK EXPLOITATION

278

Tsentral'nyy nauchno-issledovatel'skiy institut geodezii, aeros"yenki i kartografii.

Issledovaniya po kartografii (Research in Cartography) Moscow, Geodezizdat, 1957. 97 p. (Its: Trudy, vyp. 117) 1,700 copies printed.

SPONSORING

Glavnoye upravleniye geodezii i kartografii MVD SSR. AGENCY:

Bashlavina, G. N.; Tech. Ed.: Romanova, V. V.; Ed. of Publishing Ed.:

House: Shamarova, T. A.

PURPOSE: This collection of articles is intended to inform the general reader

and the specialist of the latest achievements in map making and to

suggest some new ideas and improvements.

COVERAGE: See Table of Contents

Card 1/7

Research in Cartography

278

TABLE OF CONTENTS:

Nikishov, M. I., Candidate of Geographic Sciences. Results of Making Integrated Maps of Agricultural Conditions in the USSR

3

The author recapitulates the history of agricultural map making in Russia and mentions a few recent maps of some merit (among them those made by Cherdantsev, G. N., Frolov, N. S., and Rakitnikov, A. N.). In connection with the establishment of the economic regions, the author believes that new tasks are imposed upon Soviet map makers. Thus far, however, no outstanding agricultural maps have been made. The author discusses two attempts which deserve some attention. Academician Nemchinov, V. S., and others prepared a map of agricultural conditions and outlined 18 typical regions. The map appeared in the 1955, Nr 4 issue of Planovoye Khozyaystvo. The defect of this map is in its graphical presentation, since the map does not bring out the specialization of each of the 18 regions. Another map discussed in the article is the standard large-scale wall map used in schools since 1952. This map divides the Union into 21 typical farm zones.

Card 2/7

Research in Cartography

RESIDE

278

The author makes numerous suggestions on how best to present an agricultural map and outlines 33 typical farm and animal husbandry regions, although the regions are not outlined with respect to any definite geographical areas. There are no diagrams or references.

Gurari, Ye. I., Candidate of Economic Sciences. Some Questions on the Presentation of Industries in Economic School Maps — 21

The author discusses the difficulties connected with the presentation of any large concentration of industrial activities e.g. (The Ruhr, Lancashire, etc) in a small area without omitting some of the activities. The author suggests making two or more maps of the same area and illustrates this with the example of Ecol. He also suggests some symbols to be used for such a map; these symbols are shown on several maps drawn by the author, among them a general economic map of Moravia. The author believes that the lack of adequate information on potential industrial resources, such as the possibilities for power development or the existence of unexploited mineral wealth is one of the major defects of all present-day economic school maps. In his opinion potential industrial resources should be included in school maps on economic conditions in a given area. There are 7 maps and 1 Soviet reference.

Card 3/7

Research in Cartography

278

Kel'ner, Yu. G., Candidate of Geographical Sciences; Lozinova, V. M. Candidate of Technical Sciences; Naumova, A. I. Experiments in Making Composite Physicogeographic Maps of the USSR for Use in Schools of Higher Learning

39

The author emphasizes the importance for schools of higher learning, of composite landscape maps, i.e. maps showing all the topographic features of the given region. As an example, the author describes the map "Prirodnyye usloviya SSSR," scale 1:4,000;000,intended to show natural conditions of the country as a whole. This map was prepared in 1950-53 in the catographic division of the Central Scientific Research Institute of Geodesy, Aerial Photography and Cartography. In 1943-47, the study and preparation of composite maps in the Institute of Geography of the Academy of Sciences was led by Gerasimov, I. P. and Lavrenko, Ye. M. Analytical landscape maps were also complied by students of Moscow and Leningrad Universities. The author commends Ivanov, N. N. for introducing a better method of showing the amount of humidity in a given area by using different colors. The article contains suggestions on how to deal with various \*/pes of vegetation (e.g., coniferous forests) and with phenomena like drainage or evaporation in the preparation of a composite map. There are 18 drawings and 8 Soviet references.

Card 4/7

Research in Cartography

278

Karpov, N. S., Candidate of Technical Sciences. Contemporary Foreign School Atlases

57

The article surveys a number of atlases published outside of the Soviet Union. It does not, however, discuss each individual atlas. The article is divided into chapters, each dealing with one particular aspect of atlas making, such as the utilization of space, the gazetteer, the projections and scales, the system used in compiling the atlas illustrations, etc. There are 29 titles of foreign atlases, of which one half refer to the Soviet satellites and China. There are no diagrams. The article praises foreign atlases for presentation and for richness of pictorial material.

Card 5/7

um pr